

What is claimed is:

- 1 1. A photocurable pigment type inkjet ink
2 composition comprising:
3 5 to 95 wt% of water;
4 0.5 to 20 wt% of a pigment;
5 1 to 70 wt% of a photocurable component; and
6 0.0001 to 30 wt% of a reactive surfactant.
- 1 2. The photocurable pigment type inkjet ink
2 composition as claimed in claim 1, wherein the reactive
3 surfactant is photocurable.
- 1 3. The photocurable pigment type inkjet ink
2 composition as claimed in claim 2, wherein the reactive
3 surfactant contains a C=C double bond.
- 1 4. The photocurable pigment type inkjet ink
2 composition as claimed in claim 3, wherein the C=C double
3 bond is present at an end group of the molecule chain of
4 the reactive surfactant.
- 1 5. The photocurable pigment type inkjet ink
2 composition as claimed in claim 1, wherein the reactive
3 surfactant has a hydrophilic hydrophobic balance (HLB)
4 value of 8 to 16.
- 1 6. The photocurable pigment type inkjet ink
2 composition as claimed in claim 5, wherein the reactive
3 surfactant has a hydrophilic hydrophobic balance (HLB)
4 value of 12 to 16.

1 7. The photocurable pigment type inkjet ink
2 composition as claimed in claim 1, wherein the reactive
3 surfactant is present in an amount of 0.5 to 15 wt%.

1 8. The photocurable pigment type inkjet ink
2 composition as claimed in claim 1, wherein the composition
3 has a surface tension of 20 to 65 mN/m.

1 9. The photocurable pigment type inkjet ink
2 composition as claimed in claim 8, wherein the composition
3 has a surface tension of 20 to 40 mN/m.

1 10. The photocurable pigment type inkjet ink
2 composition as claimed in claim 1, wherein the reactive
3 surfactant is a pigment dispersant for dispersing pigment
4 particles.

1 11. The photocurable pigment type inkjet ink
2 composition as claimed in claim 1, wherein the reactive
3 surfactant is an emulsifier for emulsifying the
4 photocurable component.

1 12. The photocurable pigment type inkjet ink
2 composition as claimed in claim 1, further comprising 0.05
3 to 15 wt% of a photoinitiator.

1 13. The photocurable pigment type inkjet ink
2 composition as claimed in claim 12, wherein the reactive
3 surfactant is an emulsifier for emulsifying the
4 photocurable component and the photoinitiator.